



# California Water Sustainability Indicators Framework

## Overview

Water Plan Plenary  
September 13, 2012



# California Water Plan State's Blueprint for Integrated Water Management & Sustainability

The diagram features a large orange semi-circle at the top with the word 'VISION' in white capital letters. Below it, a yellow semi-circle contains three bullet points. At the bottom, there are two rounded rectangular boxes: a green one on the left and a blue one on the right. The green box is titled 'Foundational Actions for SUSTAINABLE WATER USES' and contains three bullet points. The blue box is titled 'Initiatives for RELIABLE WATER SUPPLIES' and contains two bullet points. Two large, light-yellow curved arrows point from the bottom boxes up towards the 'VISION' semi-circle, indicating that the actions and initiatives lead to the vision.

## VISION

- Public Health, Safety, Quality of Life
- Vitality, Productivity, Economic Growth
- Healthy Ecosystem, Cultural Heritage

### Foundational Actions for **SUSTAINABLE WATER USES**

- Use Water Efficiently
- Protect Water Quality
- Expand Environmental Stewardship

### Initiatives for **RELIABLE WATER SUPPLIES**

- Expand Integrated Regional Water Management
- Improve Statewide Water and Flood Management Systems

# Sustaining California's Water Needs

**Question:**  
**Who and What is being Sustained?**



**Answer:**  
The people of the State of California, the ecosystems on which their water supply, and water quality depend, as well as appropriate levels of water reliability, water infrastructure, flood protection and the associated supporting institutions.





# Why Are We Developing CA Water Sustainability Indicators Framework?



## A Recurring Question:



"How can we ascertain

that

resource management strategies and objectives

are

providing sustainable water uses and reliable  
supplies for the State and its regions?"



# Water Plan Update 2013

## CA Water Sustainability Indicators Framework



### Objective



Help monitor progress

to

meeting water sustainability objectives

through

the development and application of an analysis framework



# Deliverables

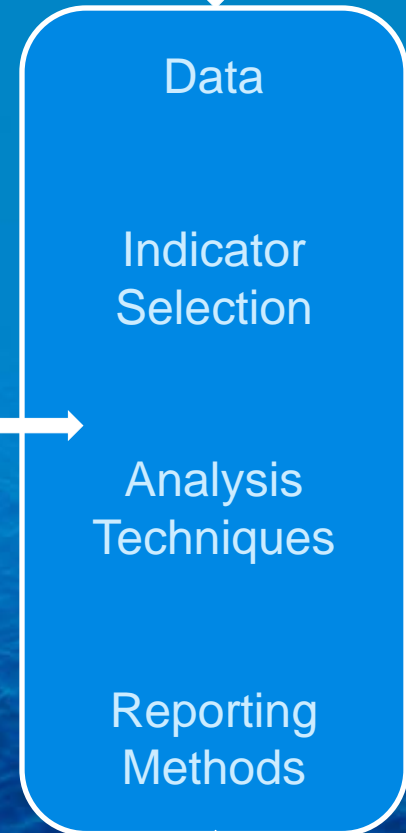
## 1. Analytical Framework

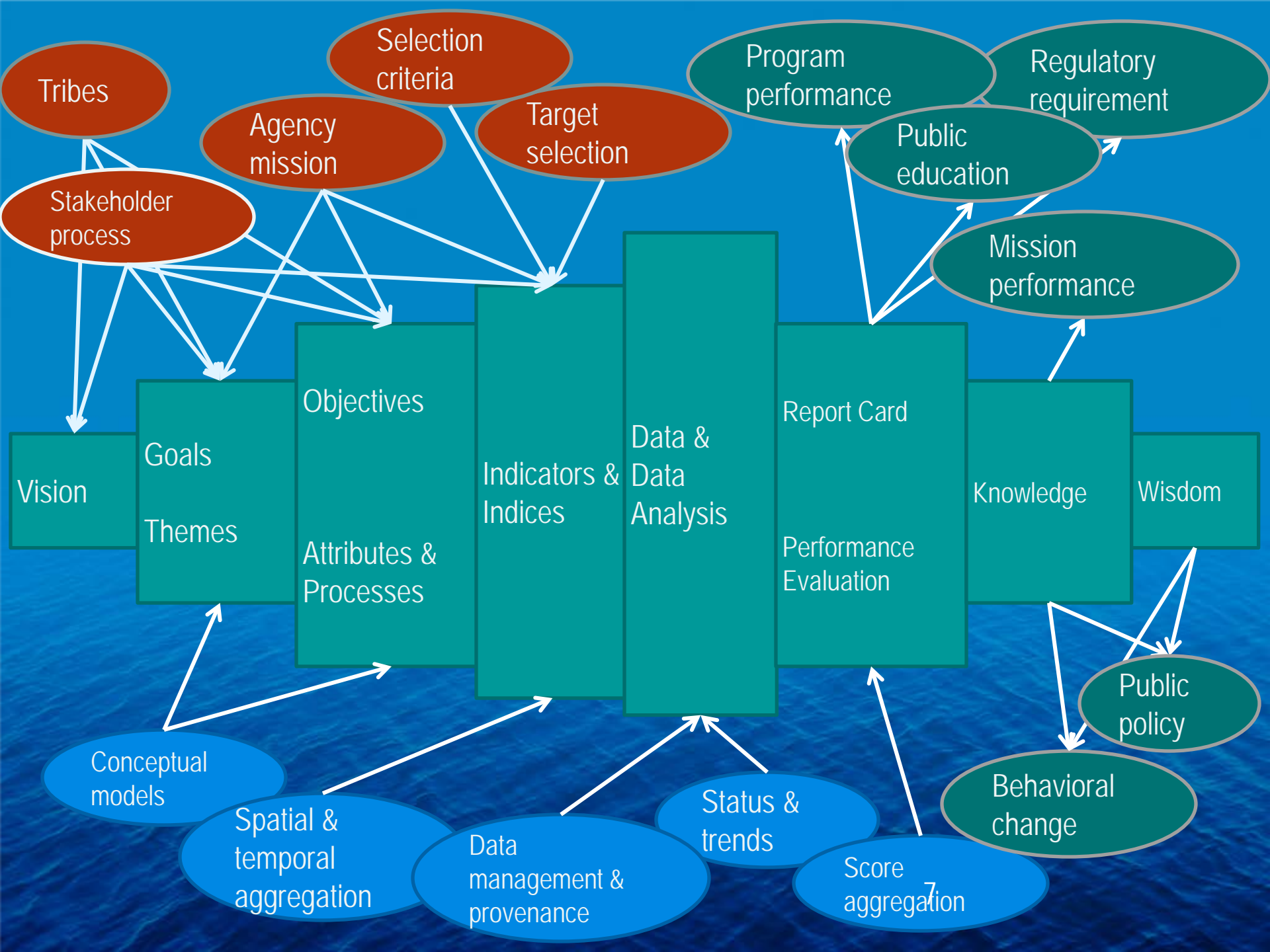


## 2. Quantitative Pilot Studies



## 3. Gap Analysis







# CA DWR – USEPA – UC Davis Collaboration



Project is funded by the USEPA Advance Monitoring Initiative (AMI) and CA DWR.

Includes a water footprint at a state scale.

Includes a web-based water sustainability decision support tool.

Additional funding from DWR for refining the water footprint analysis by UC Davis and the Pacific Institute.

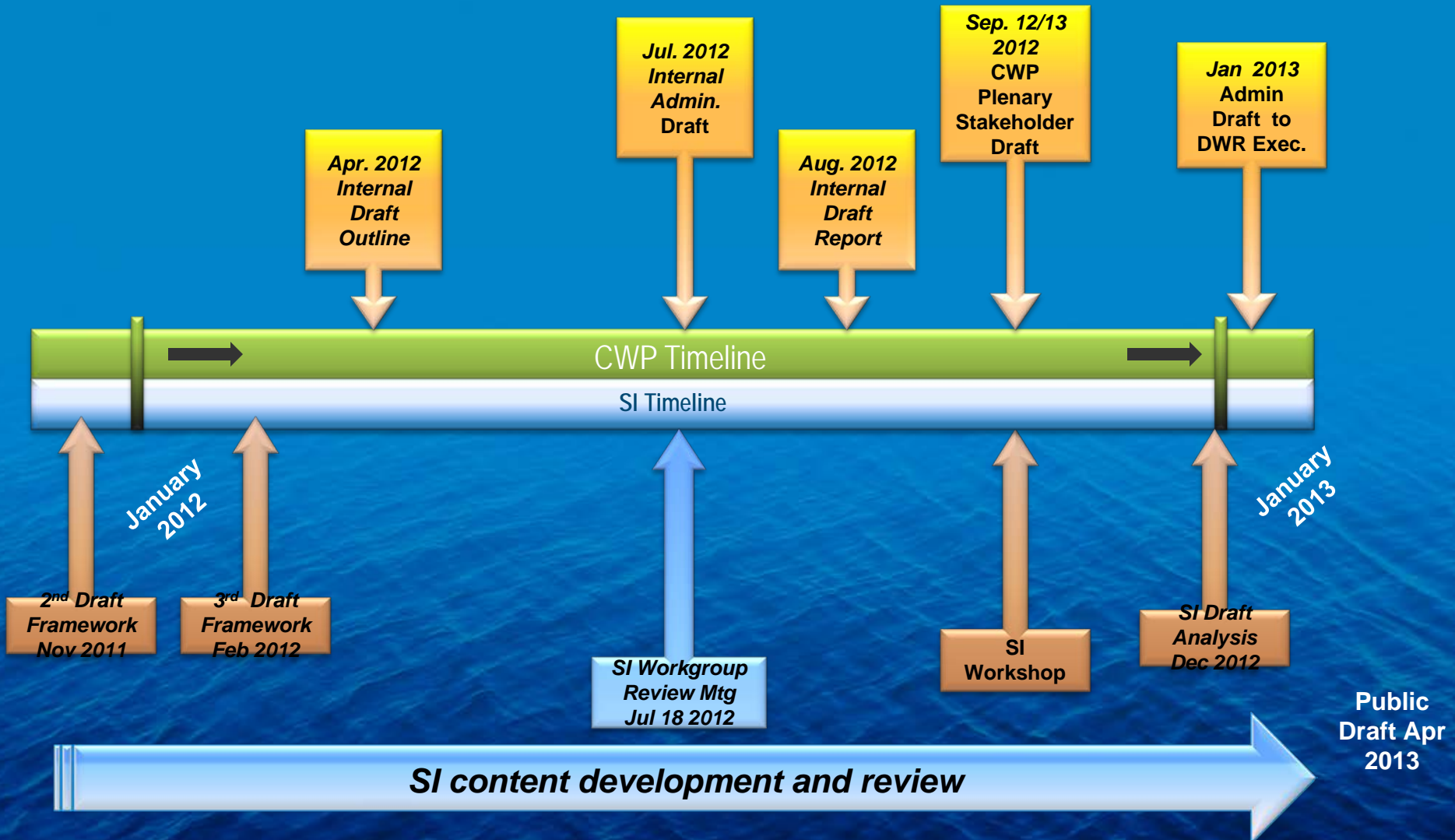




# CWP Update 2013

## Sustainability Indicators Framework

### Timeline and Deliverables



# Deliverables

## 1. Analytical Framework

## 2. Quantitative Pilot Studies

## 3. Gap Analysis

Vision

Goals/  
Objectives

Definitions

Indicators

Analysis  
Techniques

Reporting  
Methods

Literature  
References

Statewide/HR  
Pilots

Regional  
Pilots

Decision  
Support Tool  
(DST)

Data

Indicator  
Selection

Analysis  
Techniques

Reporting  
Methods

## Work Status

On Course

In Progress

To Be Done

# CA Water Sustainability Indicators

## Contact Information

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### UC Davis Tech. Lead

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# CA Water Sustainability Indicators

## Rest of Today's Presentations

Fraser Shilling  
UC Davis



Indicators for Pilots  
Features of DST

Heather Cooley/  
Julian Fulton  
The Pacific Institute



California 's Water  
Footprint

Don Hodge/  
Vance Fong  
U.S. EPA Region 9



California Sustainability  
Indicators Suite